Public Works (1897) Department.

G.O., No. 900 } 901 }

DATED 9 October 1897

11/10/97

90/4

30 copies

38/2 copies for note the docket at the back

[Despatch Abstract.]

Distributary Channel. Estimate of Rs. 24,300 for excavating the 9th — and its masonry works taking off at the 8th mile on the right bank of the XII Branch Channel Periyar Project sanctioned & a copy of the Pros: order to be forwarded to the Govt of India.

Distributary Channel. Forwarding Copy of Pros: sanctioning an estimate of Rs. 24,300 for excavating the 9th — and its masonry works taking off at the 8th mile on the right bank of the XII Branch Channel, Periyar Project.

11/10

P.W. 26.
1,000—30-11-96.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 900, 901 I., 9th October 1897.

OCTOBER.

Distributary Channel

Forwarding copy of Proceedings sanctioning an estimate of Rs. 24,300 for excavating the 9th — and its masonry works taking off at the 8th mile on the right bank of the 12th branch channel, Periyár project.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From Lieutenant-Colonel O. V. BODDY, R. ., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 28th August 1897, No. 1231 M.D.

I have the honour to forward, for your approval and sanction, plans and estimates, the latter amounting to Rs. 20,000, connected with the excavation of the 9th distributary and its masonry works taking off at the 8th mile on the right bank of the 12th branch channel.

2. The total length of the distributary is 6 miles and 3,510 feet; it has a ground fall of 10·05 feet per mile. Eight drops—four of 6 feet, one 2 feet, two 4½ feet and one 3 feet—are provided. Of this, the 2 and 3 feet drops are combined with bridges. The plans are accepted, as the foundation for the combined works is designed to start from the same level.

3. The usual mileage statement accompanies the estimate.

4. The estimate is classed as remunerative, the ayacut under the channel and three sub-distributaries (estimates for which are not yet prepared) being 3,700 acres; and the probable date of completion of the works is 31st March 1899.

ENCLOSURES.

No. 43 E.

REPORT to accompany Estimate for 9th Distributary of 12th Branch Channel.

	RS.
Amount of estimate	20,000

This distributary will take off at the 8th mile of the 12th branch channel and will run on a contour round the Taniyamangalam high ridge and then in a southerly direction irrigating the lands of Vellalur, Ambalakarampatty, and other villages.

2. It will have three sub-distributaries taking off at 8,000 feet, 10,000 feet and 19,500 feet, for which, however, estimates have not yet been prepared, but will follow.

3. The total length of the channel is 6 miles 3,510 feet; and the area commanded, including branch channels, 3,700 acres. The end of the channel is the extreme distance from the head-works at Peranai (about 52 miles), to which any channel will, under existing proposals, extend.

4. The sub-distributaries are not likely to cost much, as Nos. 1 and 2 will be dug on the natural slope of the ground and left to the ryots to maintain and the third also will require no masonry works of importance, and the total cost will not exceed Rs. 6 per acre.

5. The work will be carried out in accordance with the standard specifications of the department.

(Signed) T. W. S. SMYTH,
Ex. Engr., Special Periyár Works.

24th June 1897.

Estimate Form—Abstract—Classified.

Sub-head.	Names of Works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.	RS.	RS.	RS.	RS.
	49. IRRIGATION.				
	Periyár Project.				
	Open Capital Account.				
	3. Distributaries.				
	12th Branch Channel.				
	Remunerative Work.				
	Excavating the 9th distributary and its masonry works taking off at the 8th mile on the right bank.				
2. Lands ..	Compensation for land	1,337	1,337		
3. Works ..	1 head sluice at 8th mile, 12th branch channel ..	500			
	1 drainage culvert 0/2,500	780			
	1 bridge at 4,175 feet	600			
	2 sluices at 1 mile 2,720 feet and 1 mile 4,720 feet, at Rs. 100 each	200			
	1 drainage sluice at 1 mile and 3,420 feet ..	760			
	2 bridges of one vent, 1/4,420 and 3/1,610 feet, at Rs. 495 each	990			
	4 six-feet falls at 2/3,940, 2/5,180, 3/560 and 3/1,160, at Rs. 590 each	2,360			
	1 two-feet fall and bridge at 4/3,730 feet ..	330			
	1 regulator and sluice at 3/3,660 feet	340			
	2 four-and-a-half feet falls at 5/2,290 and 5/3,090 feet, at Rs. 430 each	860			
	1 three-feet fall and bridge at 5/4,390 feet ..	350			
	1 road culvert at 6/3,090	270			
	20 six-inch pipe sluices, at Rs. 45 each	900			
	6 nine-inch pipe sluices, at Rs. 70 each	420	9,660		
4. Earthwork ..	Cutting distributary	8,922	8,922		
5. Miscellaneous ..	Demarcation stones	81	81		
	Total, I. Works ..	..	..	20,000	
	II. Establishment ..	..	..	4,292	
	III. Tools and plant ..	..	..	8	
	Total estimate ..	..	..	24,300	

(Signed) O. V. BODDY, Lt.-Col., R.E.,
Suptg. Engineer, VI Circle.

28th August 1897.

No. 188 I.

Submitted to Government, with a recommendation that the estimate of Rs. 20,000 forwarded by the Superintending Engineer, VI Circle, for the 9th distributary of the 12th branch channel, Periyár project, be sanctioned. The whole length of the distributary, viz., 6 miles and 3,510 feet, will be maintained by Government.

2. The area which can possibly be irrigated is 3,700 acres, and the cost per acre, allowing for some sub-distributaries still to be estimated for, will be about Rs. 6. The capacity of the channel is scarcely enough for the whole area except in the wet season, but it can be increased when required, merely by widening. All the tanks in the country commanded are to be abandoned, none being of any importance. The estimate is large owing to the great number of masonry works, there being 18 sluices, falls, bridges, &c., and 26 pipe sluices.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

27th September 1897.

ORDER—No. 900 I., dated 9th October 1897.

The estimate amounting to Rs. 24,300, including establishment and tools and plant charges, for excavating the 9th distributary channel and its masonry works taking off at the 8th mile on the right bank of the 12th branch channel, Periyár project, is sanctioned.

2. This sanction is registered as No. 92 I. of 1897–98, and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 901 I., dated 9th October 1897.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, VI Circle, with fifty enclosures.
„ Examiner of Public Works Accounts.

ENDORSEMENT—No. 901 I., dated 9th October 1897.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Print with report and classified abstract estimate

A.E.

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Estimate of Rs 20000 for the Excavation of 9th Distributary of 12th Branch Channel Periyar Project - Madura Dt.

UNDER date the 5th

READ the following

From the Superintending Engineer - Sixth Circle - (A.E. No 1231. M.D. d/28. 8. 97)

Irrigation Asst

No. 188 I d/27. 9. 97

Submitted to Government with a recommendation that the estimate of Rs 20000 forwarded by the Supg Engineer, Sixth Circle, for the 9th distributary of the XII branch channel, Periyar Project, be sanctioned. The whole length of the distributary viz 6 miles and 3570 feet, will be maintained by Govt.

2. The area which can possibly be irrigated is 3700 acres, and the cost per acre, allowing for some sub-distributaries still to be estimated for, will be about Rs 6. The capacity of the channel is scarcely enough for the whole area except in

Issue

W.H.

30.9.97 I

in the wet season, but it can be increased when required merely by widening - all the tanks in the country commanded are to be abandoned, none being of any importance. The estimate is large owing to the great number of masonry works, there being 18 sluices, falls, bridges &c and 26 pipe sluices.

No. 900 I 29.9.97

Order thereon

The estimate amounting to Rs 24,300 - including establishment and Tools and Plant charges, for excavating the 9th distributary channel and its masonry works taking off at the 8th mile on the right bank of the XIIth branch channel, Periyar Project, is sanctioned.

2. This sanction is registered as No 92 I of 1897-98, and will expire on the 31st March 1899.

3. Ordered that a copy of these Proceedings be forwarded to the

A.S.H.
29.9.97

Govt.

6P.

Government of India for information.

WH
I

Endorsement No 901 I d/9.10.97

Forwarded.

WH
I

27.9.97

Regd. 11/10/97

F.E.D. 8/10/97

To The Chief Engineer for Irrign. } Desp. 27/10/97
" Supdg Engineer 6th Circle with 50 encls.
" Exr of P. W. Accts.

E. I. Form No. 1—500—3-12-96.

Public Works (1897) Department.

CURRENT No. 9888

Order

From

The Chief Engineer
for Irrigation

No. 188 I

Dated 27. 9. 97

Received 7-10-97

Enclosures ~~33~~ 53 (17 Plans)

Spare copies

SUBJECT.

IX" Distributary of the XII Br. Channel – Periyar Project – Estimate of Rs 20000 for the excavation of – Distributs with a recommendation that the – be sanctioned.

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

2-9-97.

Public Works (1897.) Department.

CURRENT No. 106 M.D

Order

From

The Supdg Engineer
VI. Circle

No. 1231. M.D

Dated 28th August 1897

Received 1—9—97

Enclosures 33.

Spare copies

SUBJECT.

IX. Distributary and its masonry works on the R.B of the XII. Branch Channel — forwards for approval & sanction an Este of Rs 20,000 for the Excavation of —.

To
C.E.S to check estimate
[illegible] 1/9/97

The estimate have been checked
[illegible] 17/9/97

Draft disposal for approval
[illegible] 20/9/97

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

SEVI GO No 959 MD: 3-11-/59

No 432

Report to accompany Estimate for 9th Distributary of XIIth Branch Channel.

2 SP

Amount of estimate Rs ~~[illegible]~~ 20000/

This Distributary will take off at the 8th mile of the 12th Branch channel and will run on a contour round the ~~Sama~~-mangalam high ridge and then in a southerly direction irrigating the lands of Velladur, Ambalakarampatty and other villages

Enclosures = 33

1 Estg abstract
1 Calculation sheet
14 Estimates for masonry works
1 Survey (tracing)
4 Sections (do—)
12 plans of masonry works (tracings
―――
33

4 Estimates + 9 tracings sent separately.

2. It will have three sub distributaries taking off at 8000 ft 10000 ft & 19500 ft for which however estimates have not yet been prepared but will follow. ×

3. The total length of the channel is 6 miles 3510 ft and the area commanded including branch channels 3700 acres; The end of the channel is the extreme distance from the headworks at Perani (about 52 miles) to which any channel will under existing proposals extend.

4. The subdistributaries are not likely to

to cost much as Nos. 1 + 2 will be dug on the natural slope of the ground and left to the ryots to maintain and the third also will require no masonry works of importance and the total cost will not exceed Rs 6 per acre.

5. The work will be carried out in accordance with the Standard Specifications of the Department.

F W L Smyth
24-6-97. Executive Engineer
Special Periarworks

SEVIGL
88885(97)

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Work.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each main head.	Remarks.
1	2	3	4	5	6	7
	Capital Expenditure not charged to Revenue.					
	49, Irrigation.					
	Periyar project.					
	Open Capital Account.					
	3, Distributaries.					3
	XIIth Branch channel –					
	Remunerative Work.					
	Excavating the 9th distributary and its masonry works ~~taking off at the 8th mile on the right bank.~~					
	~~3. Distributaries~~	Rs.	Rs.	Rs.		
2. Lands	Compensation for land	1337				
			1337			
3. Works	1 - Head Sluice at 8th mile 12th Br. Ch^l	500				
	1 - Drainage Culvert 1/2500	780				
	1 - Bridge at 4175 ft	600				
	2 - Sluices at 1 - m 2720 ft & 1 - m 4720 ft @ Rs. 100 each	200				
	1 - Drainage Sluice at 1 m & 3420 feet	760				
	2 - Bridges of 1 Vent 1/4420 & 3/1610 ft @ Rs. 495 each	990		24 – 6 – 97		
	4 - 6 ft falls at 2/3940, 2/5180, 3/560 & 3/1160 @ Rs 590 each	2360				
	1 - 2 ft fall & Bridge at 4/3730 ft	330				
	1 - Regulator & Sluice at 3/3660 ft	340				
	2 - 4½ ft falls at 5/2290 & 5/3090 ft @ Rs. 430 each	860				
	1 - 3 ft fall & Bridge at 5/4390 feet	350				
	1 - Road Culvert at 6/3090	270				
	20 - 6 inches Pipe Sluices @ Rs. 45 each	900				
	6 - 9" Pipe Sluices @ Rs. 70 each	420				
			9660			
	Carried over		10997			

Station }
Dated 188 }

Executive Engineer.

P. W. D. Madras.
Form No. M. 77 g.

REFERENCE TO MADRAS P. W. D. CODE,

CHAPTER VII—PARAS 968 & 968 A.

ESTIMATE FORM—ABSTRACT CLASSIFIED.

IRRIGATION.

CIRCLE.

DIVISION—

DISTRICT—

To accompany the Detailed Estimate No.

of 188 -8 . for *

* Here enter the Name and Description of work in full.

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Work.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each main head.	Remarks.
1	2	3	4	5	6	7
		Rs.	Rs.	Rs.		4
	Brought forward		10997	✓		
4. Earth work	Cutting Distributary	~~9821~~ 8922				
			~~9821~~ 8922 ous			
5. Miscellaneous	Demarcation Stones	81				
			81			
	Total ~~Rupees~~ I - Works			20,000 ✓		
	II - Establishment			4,292		
	III - Tools & plant			8		
	Total Estimate			24,300		

Sanctioned for Rs. 20,000 ... 9-11-97
Registered No. 92 ... 9-11-97

I. V. Bodley Lt Col R.E.
Supg Engineer 6th Circle
28-8-97

Station
Dated 188 } Checked ... 17/9

Executive Engineer.

P. W. D. Madras.
Form No. M. 77 g.

REFERENCE TO MADRAS P. W. D. CODE.

CHAPTER VII—PARAS 968 & 968 A.

ESTIMATE FORM—ABSTRACT CLASSIFIED.

IRRIGATION.

Sixth CIRCLE.

DIVISION— Madura

DISTRICT— Madura

To accompany the Detailed Estimate No. of 188 -8 , for* Excavating 9th Distributory at 8 Miles in XII Branch Channel — Periyar Project

* Here enter the Name and Description of work in full.

9.5.90
5588/97

For signature

No. 1231. L.D.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

Trichinopoly, 28th August 1897.

From

Lt. Col. O. V. Boddy R.E.
~~The~~ **Sperintending Engineer,**
6th Circle.

11P

To

The Chief Engineer,
~~for~~ Irrigation

SIR,

ENCLOSURES. 33

1. tracing of site survey
4 do – of level Sections
12. do – Plans of masonry works.
1. File of Gen: Estate with report & classified abstract etc.
1. Bill of earthwork Calculation
14 Estimates of masonry works

33.

I have the honor to forward for your approval and sanction plans and estimates, the latter amounting to Rs 20,000, connected with the excavation of the 9th Distributary and its masonry works taking off at the 8th mile on the R. B. of the 12' Branch channel.

2. The total length of the distributary is 6 miles and 3510 feet; it has a ground fall of 10.05 ft. per mile. 8 drops – four of 6 ft., one 2 ft., two 4½ ft. and one 3 ft. – are provided. Of these the two & three feet drops are combined with Bridges. The plans are accepted as the foundation for the combined works is designed to start from the same level.

3. The usual mileage statement ac

200—20.4.96

FOR IRRIGATION
1-SEP 1897
No 106 M.D

-companies the estimate.

4. The estimate is classed as remunerative, the ayacut under the channel and three sub distributaries (estimates for which are not yet prepared) being 3,700 acres and the probable date of completion of the works is 31st March 1899.

I have the honor to be
Sir,
Your Most obed[t] Servant.

O. V. Brawley(?) Lt. Col. R.E.
Supg Engineer, VI Circle

11520
5888/57